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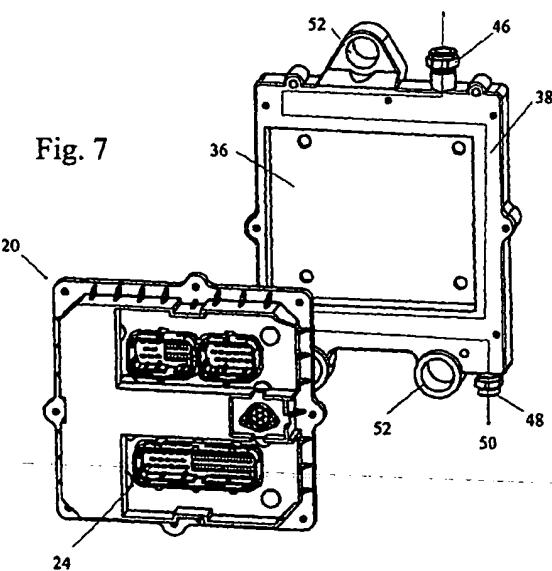
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### (54) Cooling an engine control unit

(57) A chill plate 30 is described for cooling an electronic control unit (ECU) 20 of an engine. The chill plate 30 comprises a housing 32 having a flat front face onto which the ECU 20 may be mounted, formed with a central pocket 36 for accommodating any components 28

protruding from the rear face of the ECU. The housing also includes flow conduits 40 through which fuel may flow around at least part of the periphery of the central pocket 36 to transfer heat to the fuel from the regions of the front face 38 surrounding the pocket 36.



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## EUROPEAN SEARCH REPORT

Application Number

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Place of search	Date of completion of the search	Examiner			
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CATEGORY OF CITED DOCUMENTS					
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document					
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document					

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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